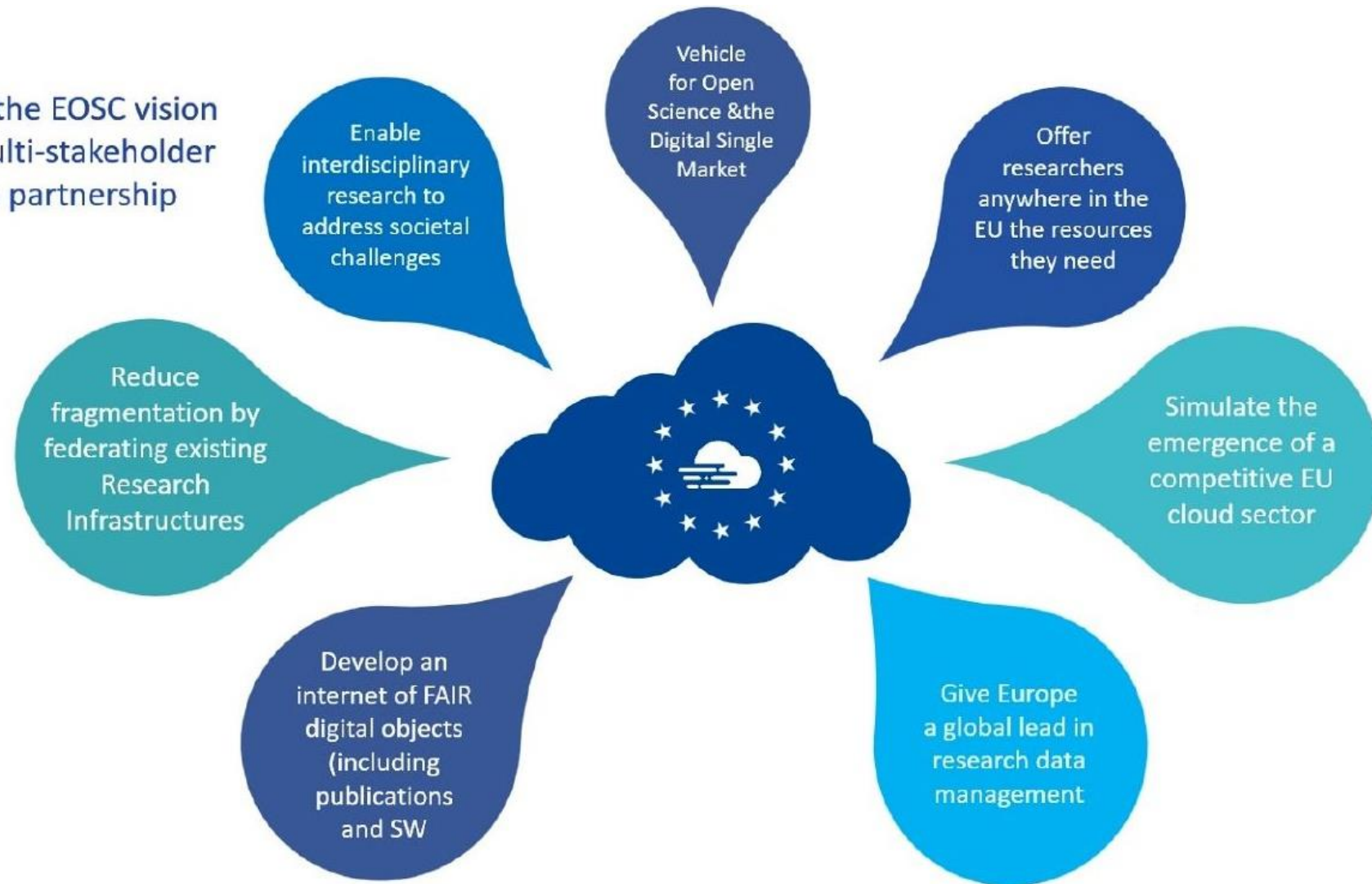


EOSC Association – recent developments

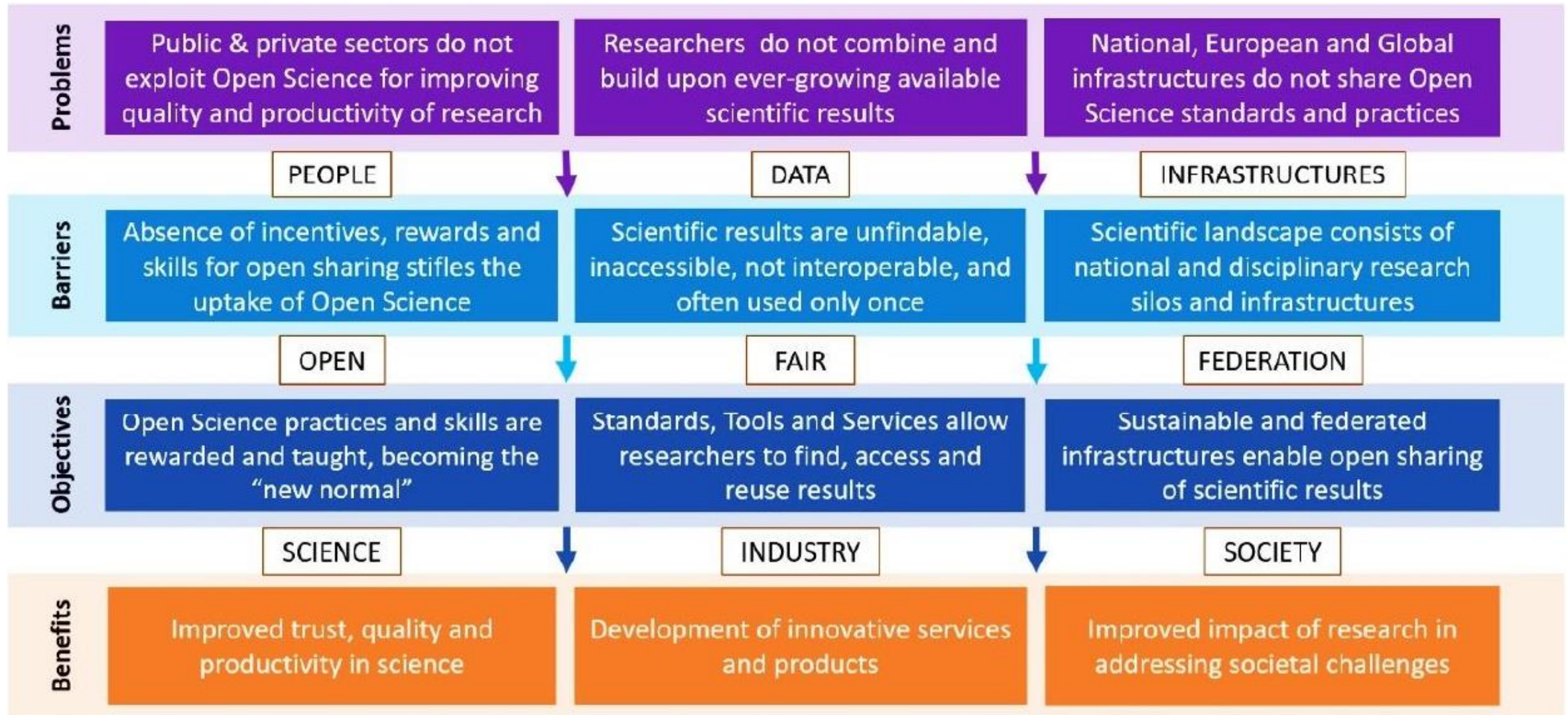


Dragoş-Cătălin Barbu
ICI Bucureşti

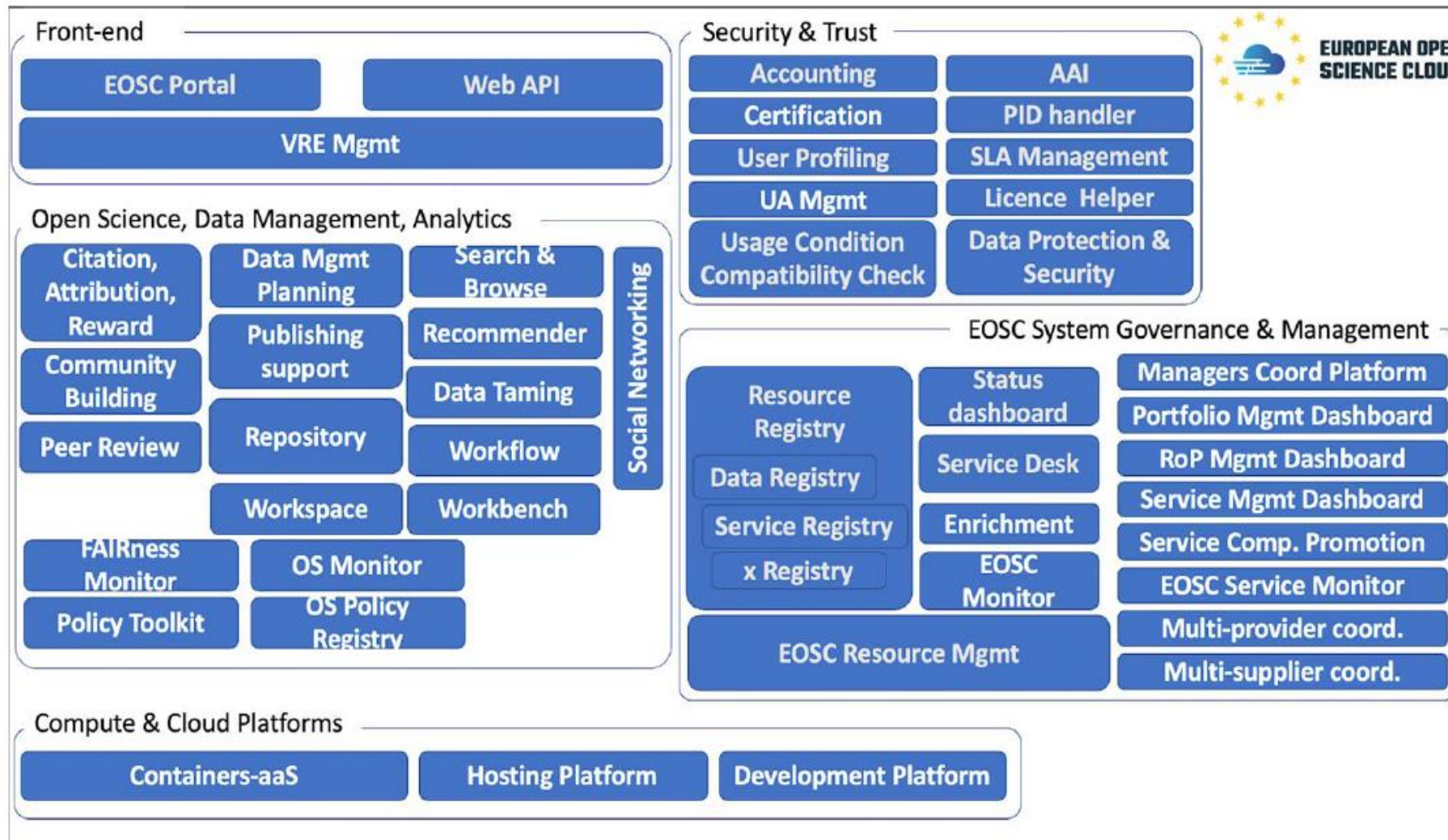
Enabling the EOSC vision
with a multi-stakeholder
European partnership



EOSC Objectives Tree

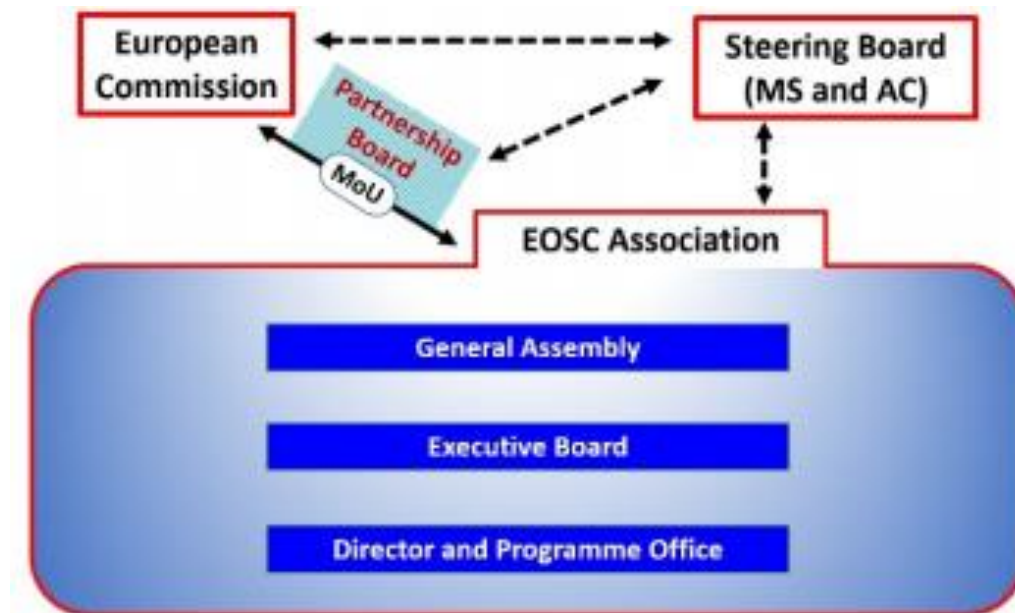


- ❑ Architecture model developed from an user & functional perspectives
- ❑ 47 classes of services split in 5 categories
 - ❑ **Front-end services** – for implementing the part of the overall service with which users will interact directly, namely portals or APIs;
 - ❑ **Security & Trust** – aimed at guaranteeing that the overall system (and the services) operate securely and according to standard;
 - ❑ **Open Science, Data Management, Analytics** – aimed at providing their users with user- and open-science-friendly facilities, enabling users to focus on science tasks;
 - ❑ **EOSC System Governance & Management** – dedicated to supporting the operation and management of the overall EOSC System;
 - ❑ **Compute & Cloud Platforms** – representing computing resources such as virtual machines and containers (+ connectivity to them) including all platforms and software that do not belong to the other categories.

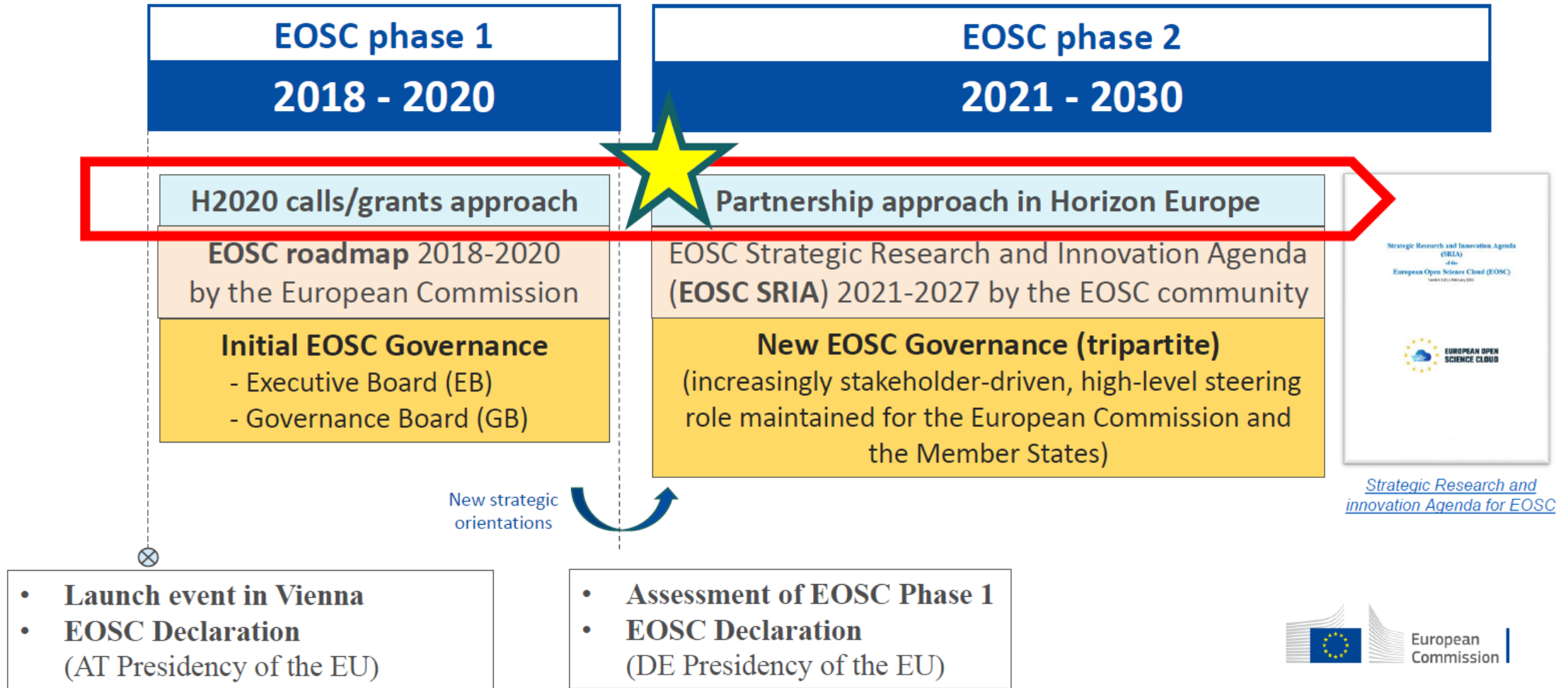


Reference: [EOSC Pilot D5.4 Final EOSC Service Architecture](#)

- EU countries and countries associated with Horizon 2020, represented in the EOSC Governance Board, agreed unanimously to run the EOSC as a co-programmed European Partnership under Horizon Europe from 2021
- The new governance model agreed with EU countries for the current EOSC implementation phase is tripartite including:



- ❑ Advancing the EOSC to accelerate the creation of new knowledge, inspire education, spur innovation and promote accessibility and transparency
- ❑ To provide a single voice for advocacy and representations for the broader EOSC stakeholder community in Europe
- ❑ To promote the alignment of European Union research policy and priorities with activities coordinated by the Association (SRIA)
- ❑ To ultimately enable seamless access to data through interoperable services that address the entire research data life cycle, from discovery to storage, management, analysis and re-use across borders and scientific disciplines.



- ❑ Now 150 members and 60 observers (May 2021)
- ❑ A European Co-programmed Partnership, between the EC and the EOSC Association, MoU signed on 30 July 2021.
- ❑ Advisory Groups
 - ❑ The EOSC Association Advisory Groups are a structure to allow Association members and others to help steer the implementation of EOSC
- ❑ Implementation of EOSC
 - PID policy and implementation | Researcher engagement and adoption | Rules of Participation (RoP) compliance monitoring
- Metadata and data quality
 - FAIR metrics and data quality | Semantic interoperability
- Research careers and curricula
 - Data stewardship curricula and career paths | Research careers, recognition and credit | Upskilling countries to engage in EOSC
- Technical challenges on EOSC
 - AAI Architecture | Infrastructure for quality research software | Technical interoperability of data and services
- Sustaining EOSC
 - Defining funding models for EOSC | Long-term data preservation

- ❑ Implementation of EOSC Advisory Group is dedicated to address different challenges related to a proper use of the EOSC services and ecosystem at large. **Three task forces have been set up.** All of them will provide input to the next SRIA version.
 - ❑ The **PID Policy and Implementation Task Force** (PID TF) is dedicated to identify the gaps in the PID ecosystem that has been mentioned in the current SRIA version, to standardise the PID graph, to integrate PIDs into FAIR data management, and to address PIDs and sensitive data (among others).
 - ❑ The **Researcher Engagement & Adoption Task Force** (REA TF) is focused on engaging diverse research communities in order to increase their participation in EOSC. This Task Force explores an aspect that is not part of the current SRIA version and will provide concrete plans to facilitate the onboarding of researchers in the EOSC ecosystem.
 - ❑ The **Rules of Participation & Compliance Monitoring Task Force** (RoP TF) will work on providing more practical criteria from the principles expressed in the current high-level EOSC RoP. It aims to define the monitoring process of the different RoPs by setting up a dedicated framework. Based on community involvement, it plans to establish a durable structure to manage the RoP in a sustainable perspective.

- ❑ EOSC Association - <https://www.eosc.eu/>
- ❑ EOSC Secretariat - <https://www.eoscsecretariat.eu/>
- ❑ **EOOSC Pilot D5.4 Final EOSC Service Architecture**
- ❑ **EOOSC-hub Technical Architecture v1 (D10.3)**

Thank you!

